

WHAT IS CLAIMED IS:

1. An exterior pressure plate glazing element comprising a transparent laminate and an attachment means for holding the laminate in, or attaching the
5 laminate to, a support structure, wherein: (1) the attachment means is bonded directly to at least one surface of a thermoplastic polymer interlayer; (2) the laminate comprises at least one layer of glass bonded directly to the interlayer on at least one glass
10 surface; (3) the interlayer extends beyond at least one edge of the laminate and the extended portion of the interlayer is attached to the attachment means; (4) the attachment means is a clip useful for aligning and holding the laminate in a retaining channel of the
15 support structure; (5) the clip comprises at least one mechanical interlocking extension useful for restricting rotational and/or transverse movement of the laminate within the channel or movement of the laminate out of the channel.
- 20 2. The glazing element of Claim 1 wherein the support structure is a frame.
3. The glazing element of Claim 2 wherein the frame comprises a mullion and a pressure plate, mullion and pressure plate forming the channel that
25 geometrically constrains the glazing element clip and wherein the clip interlocking extension is a straight extension arm, a ball or socket, a "C"-shape, an "L"-shape, a "T"-shape, a hook, or any combination of these.
- 30 4. The glazing element of Claim 3 wherein the clip comprises an extension (9) as depicted in Figure 2.
5. The glazing element of Claim 3 as depicted in Figure 3.

6. The glazing element of Claim 5 wherein the clip additionally comprises a second extension (13) as depicted in Figure 4.

7. The glazing element of Claim 3 as depicted in
5 Figure 5.

8. The glazing element of Claim 3 as depicted in Figure 6.

9. The glazing element of Claim 5 further comprising an adhesive as depicted in Figure 7.

10 10. The glazing element of Claim 1 wherein the thermoplastic interlayer is an ethylene copolymer.

11. The glazing element of Claim 10 wherein the interlayer is an ethylene copolymer comprising repeating units of an α,β -unsaturated carboxylic acid
15 and/or a derivative thereof.